AccuSnap

One of the enhancements of V8 is AccuSnap. With AccuSnap, you can use a single mouse click to snap to elements.

By default, AccuSnap will be toggled on when you open V8. You will notice that whenever your cursor is waiting for a data point and it nears an element, two symbols will appear and an element in your file is highlighted. This is AccuSnap locating a point to snap to automatically.

One of the symbols you will see is the snap mode. By default, V8 uses the keypoint snap mode and this will appear as: 
As you change your snap mode, this symbol will change to match.

The other symbol is the tentative point. In the past, this has been a large, thin crosshair. With AccuSnap it appears as a smaller crosshair:  When the pointer is within Keypoint Sensitivity range, AccuSnap displays the tentative snap point as a heavy line weight "**X**". A data point at this stage will be placed at the tentative snap point location.

AccuSnap will also highlight the closest element that applies to your snap mode. When there is more than one element in an area, simply move the cursor over the element you want to snap from.

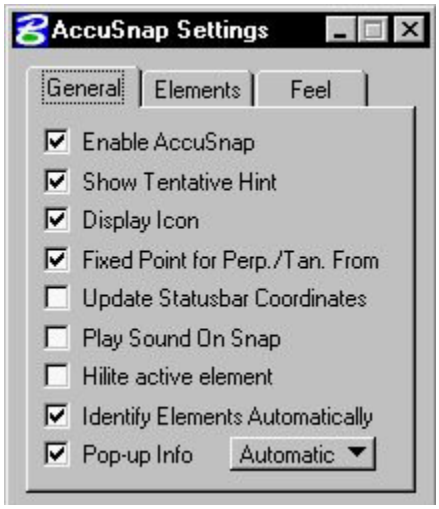
Another aspect of AccuSnap you should be aware of is that it will highlight the nearest element whenever you are in a command that is waiting for you to select one. For instance, with AccuSnap turned on, select the delete button and when your cursor passes over an element, it will highlight and then a single click will delete it.

To access the AccuSnap settings, go to **Settings => Snaps => AccuSnap**

Or you can **Key-in:** DIALOG ACCUSNAP **or** ACCUSNAP TOGGLE **or** ACCUSNAP SUSPEND. Isn't it great to have choices?

The General Tab

Contains controls to enable/disable AccuSnap, and to define the way it operates.



Enable AccuSnap

If on (default), AccuSnap is automatically enabled when you start MicroStation. When using AccuSnap, in conjunction with AccuDraw, you can use the following AccuDraw shortcuts:

- U — suspends AccuSnap for one data point.
- J — toggles AccuSnap off/on.

Note: You can also toggle AccuSnap on/off from the Toggle AccuSnap icon on the **Snap Mode** button bar.

Show Tentative Hint

If on (default), and the pointer is within the range of the Snap Tolerance, AccuSnap displays the nearest snap point with a cross-hair.

Display Icon

If on (default), AccuSnap displays the icon of the current snap mode at the snap point.

Fixed Point for Perp./Tan. From
For use with the *Place SmartLine* tool only.
If on (and using Perpendicular Snap mode), AccuSnap sets the snap override (or snap mode if the <Shift> key is pressed) to Perpendicular From, which constrains an element to be perpendicular to another element with the point at which the first element does or would intersect the second element fixed.
If on (and using Tangent Snap mode), AccuSnap sets the snap override (or snap mode if the <Shift> key is pressed) to Tangent From, which constrains an element to be tangent to another element with the point of tangency fixed.

Update Statusbar Coordinates
If on, the coordinate readout in the status bar updates for each tentative snap point. That is, each time that AccuSnap snaps to a point on an element, or when you press the tentative point button, the coordinates for the snap point appear in the status bar.

Play Sound on Snap
If on, a sound is played when you snap to an element.

Hilite active element
If on, AccuSnap highlights the active element as soon as the pointer is within the range of the Snap Tolerance.
If off, AccuSnap highlights the active element only when a tentative snap point is displayed.

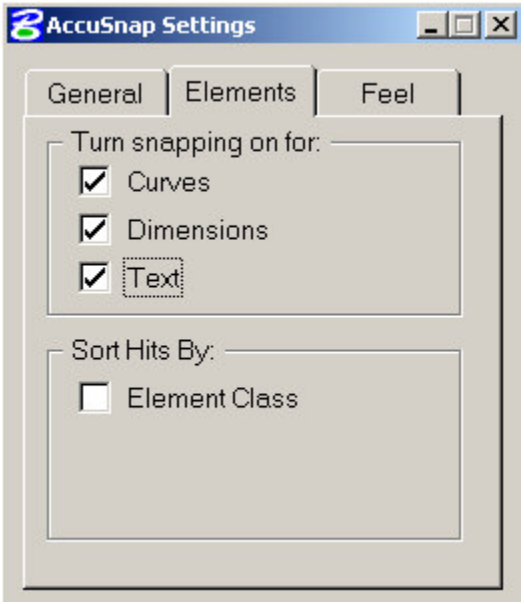
Identify Elements Automatically
If on, elements are identified automatically, as you pass the pointer over them.

Pop-up Info
If on, and you pause or hover the pointer over a highlighted element, a pop-up displays information about the element. An option menu lets you define when this information appears.

- Automatic — Pop-up information appears whenever you pause or hover the pointer over a highlighted element.
- Tentative — Pop-up information appears only when you manually snap a tentative point to an element and then hold the pointer over any part of the highlighted element.

The Elements Tab

Contains controls that turn enable/disable AccuSnap snapping to Curves, Dimensions, or Text.



Curves
If on, AccuSnap can snap to B-spline curves.
If off, AccuSnap ignores B-spline curves. In these cases, when the pointer locates a B-spline curve, and Display Icon is turned on, AccuSnap displays an icon indicating that the element is being ignored. **Note:** You can override this setting by entering a manual tentative point.

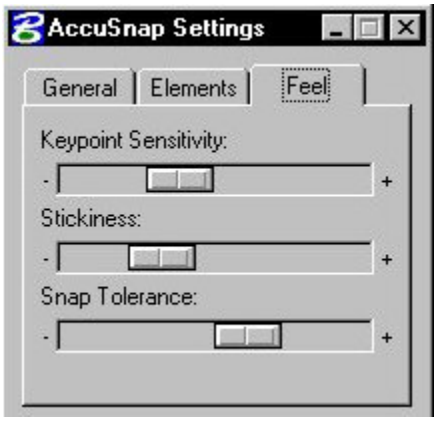
Dimensions
If on, AccuSnap can snap to dimension elements.
If off, AccuSnap ignores dimension elements. In these cases, when the pointer locates a dimension element, and Display Icon is turned on, AccuSnap displays an icon indicating that the element is being ignored. **Note:** You can override this setting by entering a manual tentative point.

Text
If on, AccuSnap can snap to text.
If off, AccuSnap ignores text elements. In these cases, when the pointer locates a text element, and Display Icon is turned on, AccuSnap displays an icon indicating that the element is being ignored. **Note:** You can override this setting by entering a manual tentative point.

Sort Hits By: Element Class
If on, the order in which AccuSnap snaps to overlapping elements is determined by their class — Primary elements first, followed, in order, by Construction, Pattern, and Dimension elements.

The Feel Tab

Contains controls that affect AccuSnap's sensitivity in locating elements.



Keypoint Sensitivity

Lets you adjust how close the screen pointer must be to the snap point, before AccuSnap snaps to it. Move the slider to the right (+) to increase, or to the left (-) to reduce, the allowable distance.

Stickiness

Lets you adjust the sensitivity of AccuSnap to the current element. When you are snapped to an element, as long as you move the pointer along that element, the snap system will have a preference for that element over other elements that may have snap points closer to the cursor. The further to the right (+) that you set the Stickiness slider, the further away from the active element you can have the pointer without AccuSnap snapping to another element. Alternatively, the further to the left (-) that you set the Stickiness slider, the closer to the element you must be for AccuSnap to “stick” to the active element.

Snap Tolerance

Lets you adjust how close the pointer must be to an element in order to snap a tentative point to it. Move the slider to the right (+) to increase, or to the left (-) to decrease, the snap tolerance.